

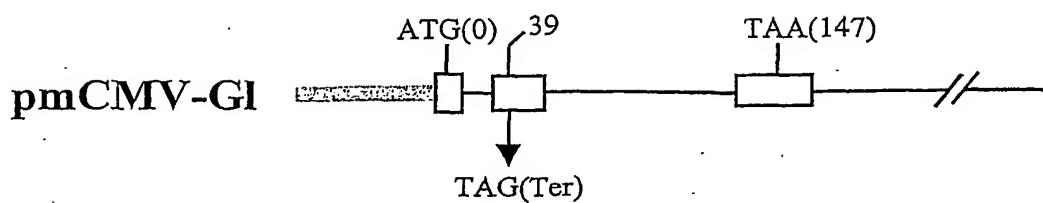
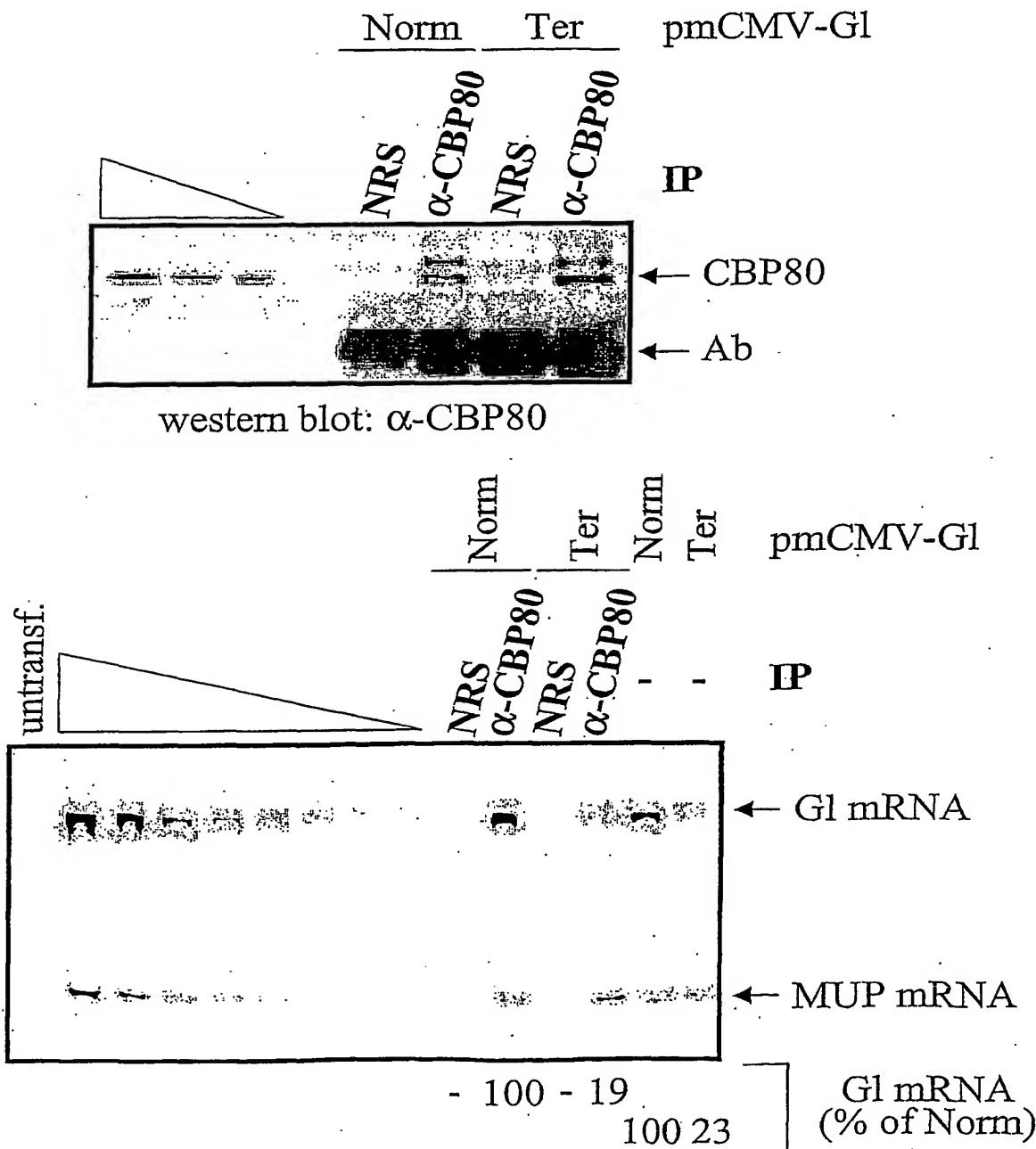
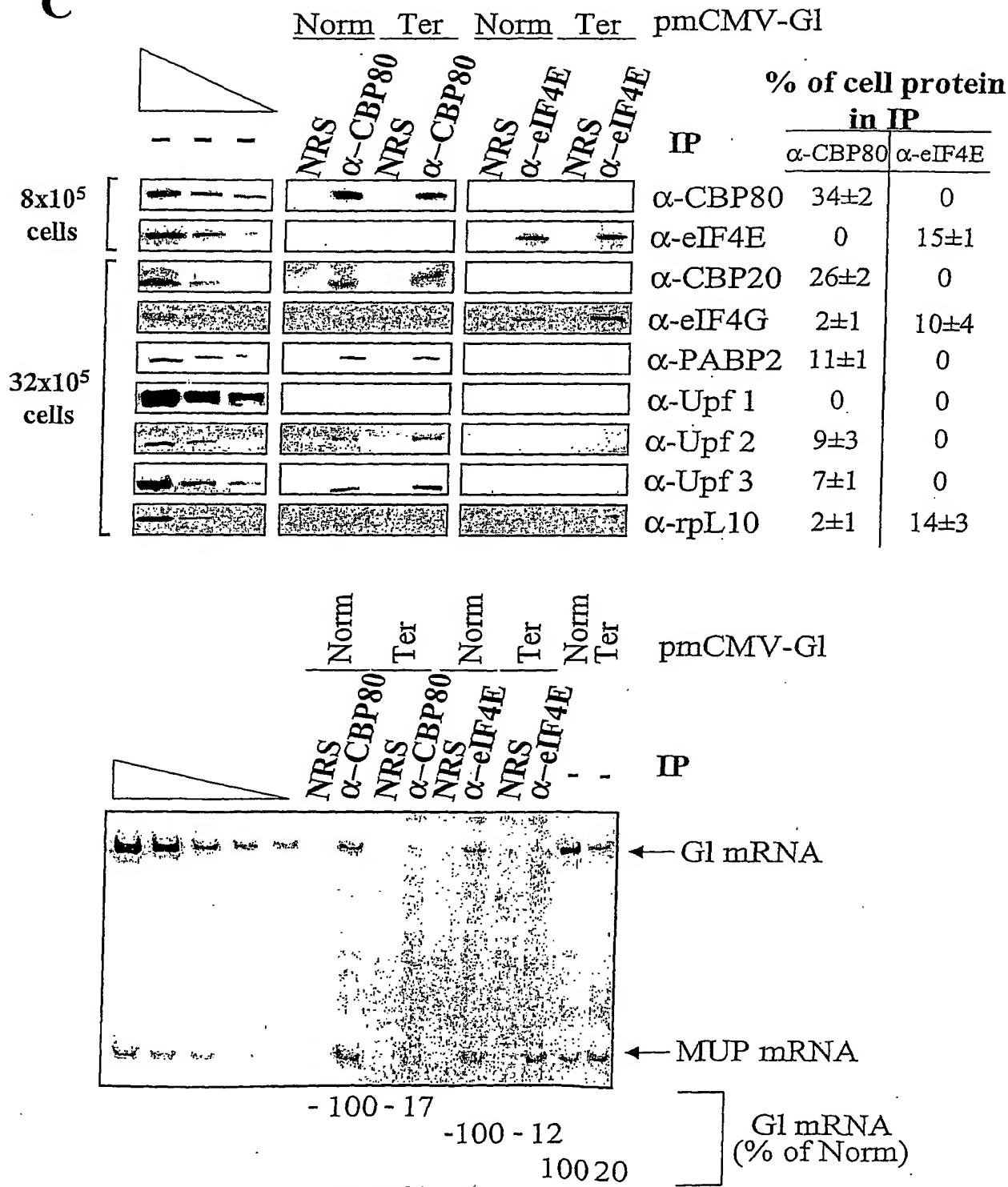
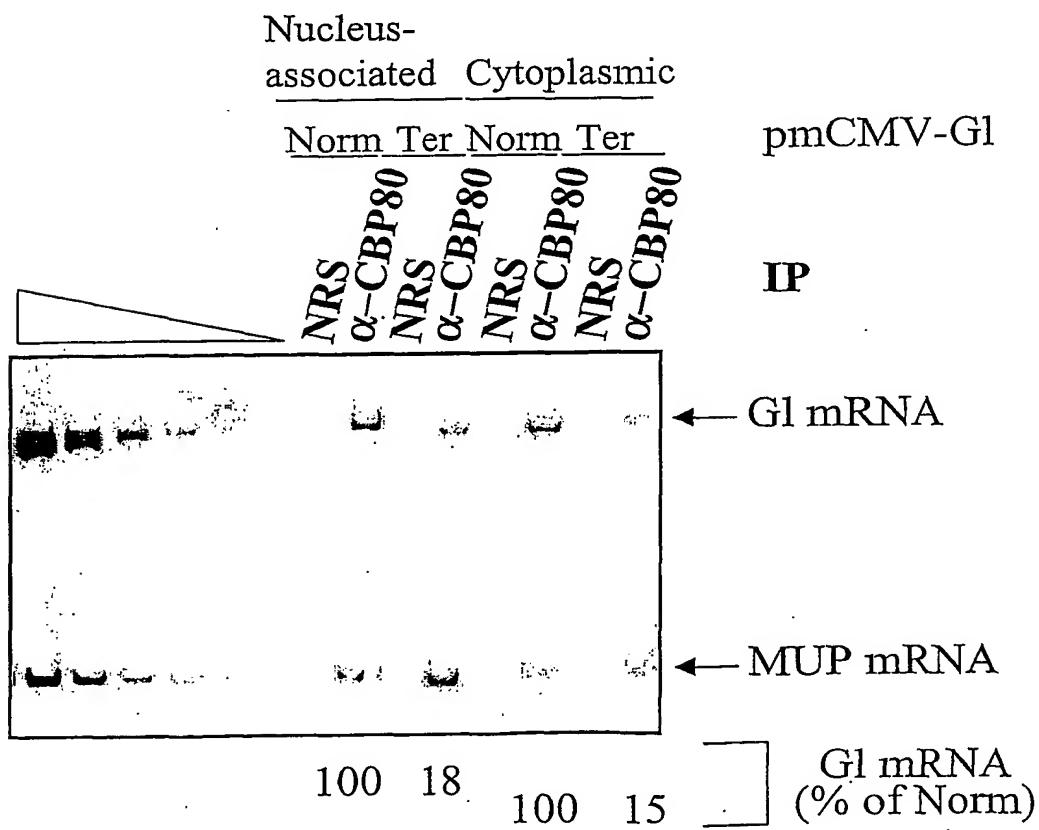
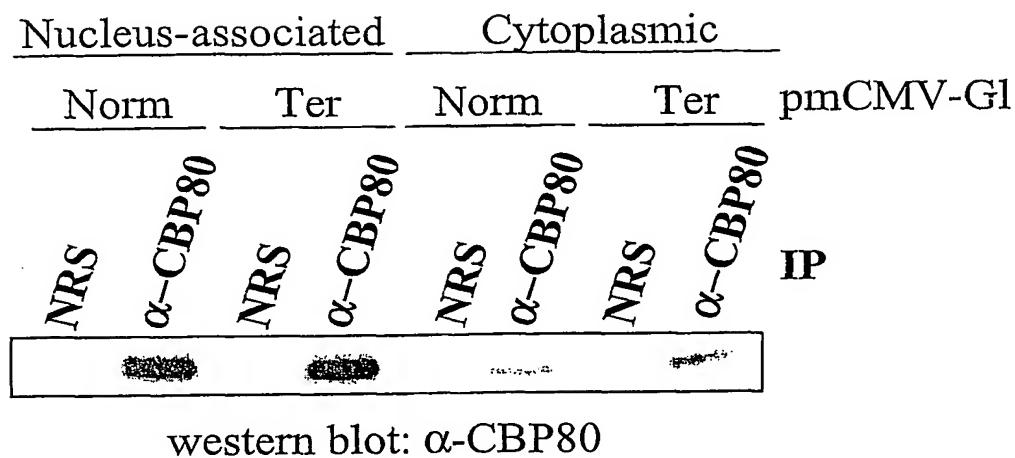
A**B**

FIG. 1
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C**FIG. 1**



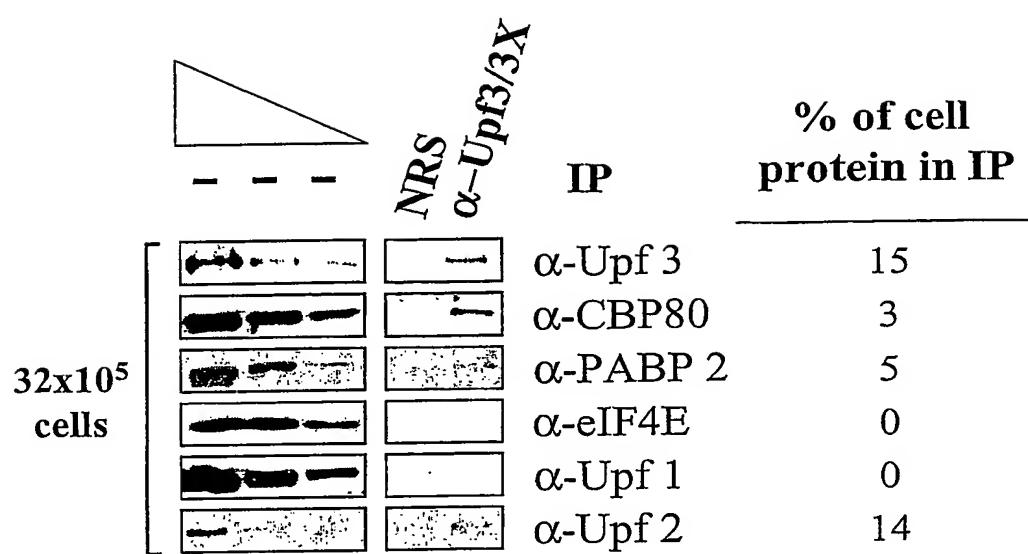
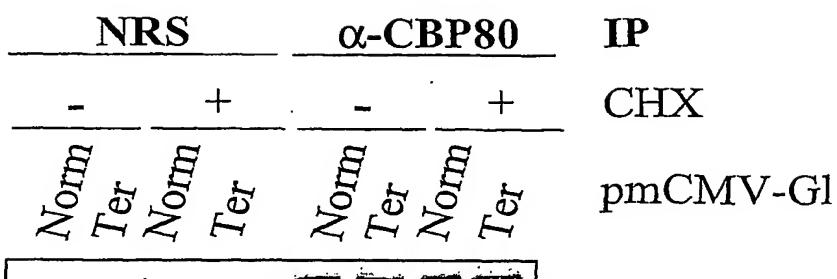
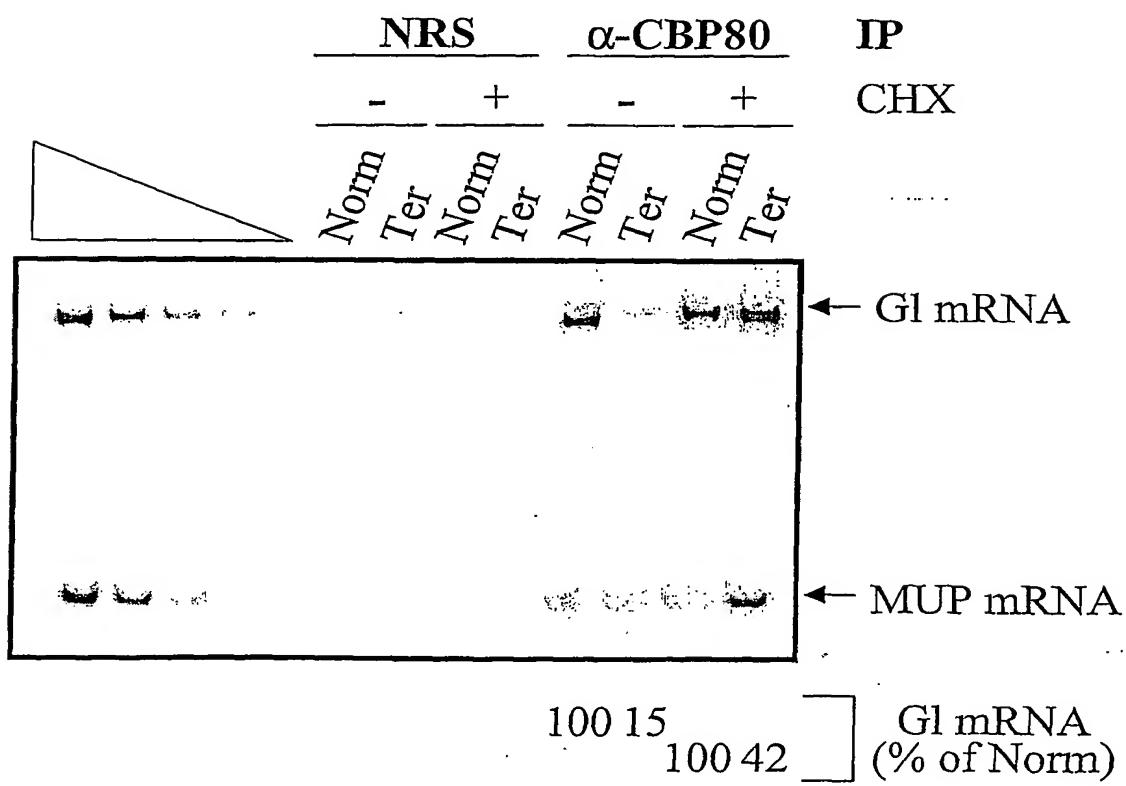
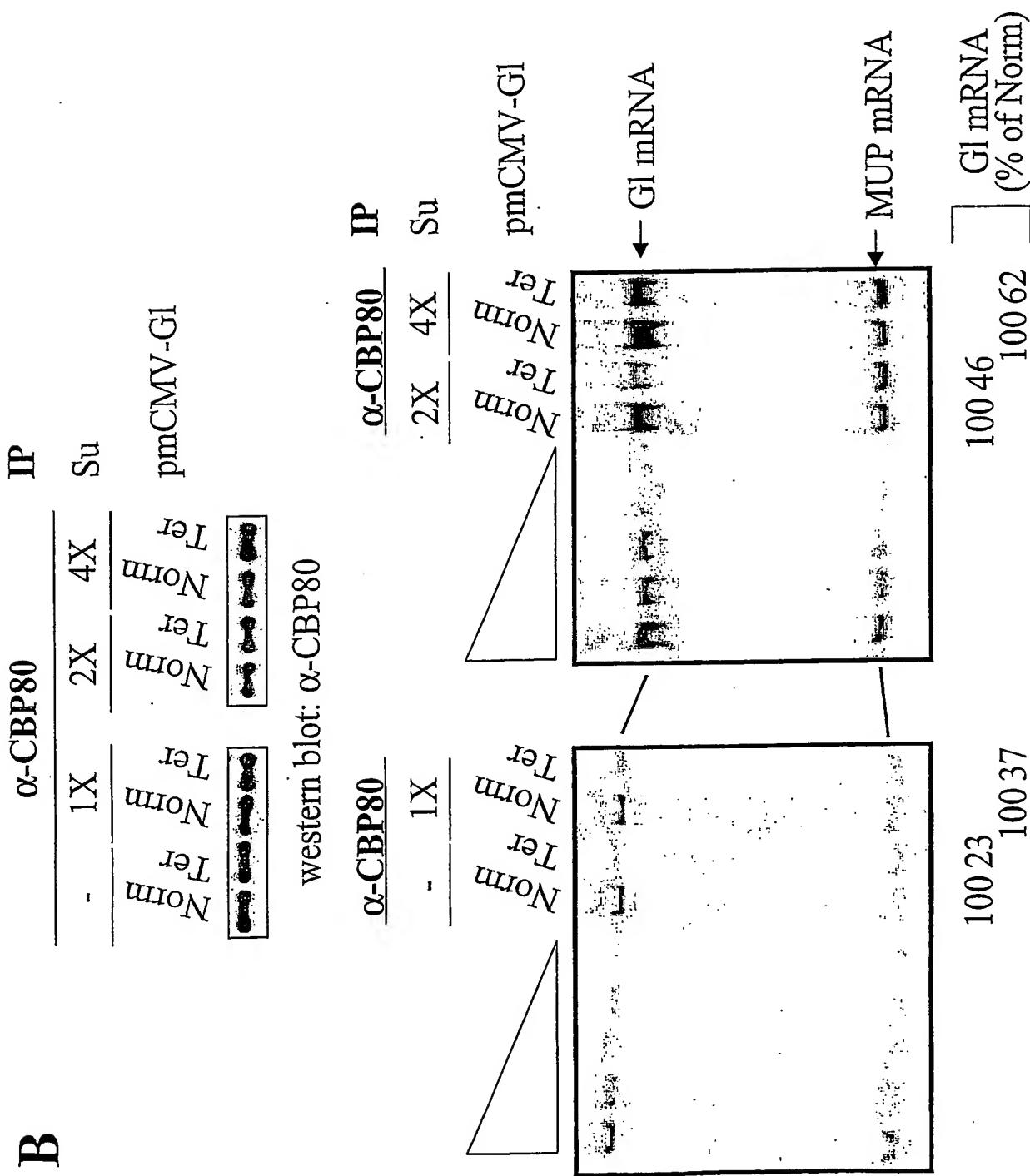
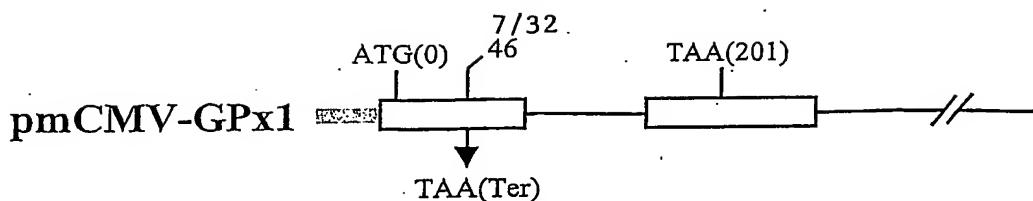
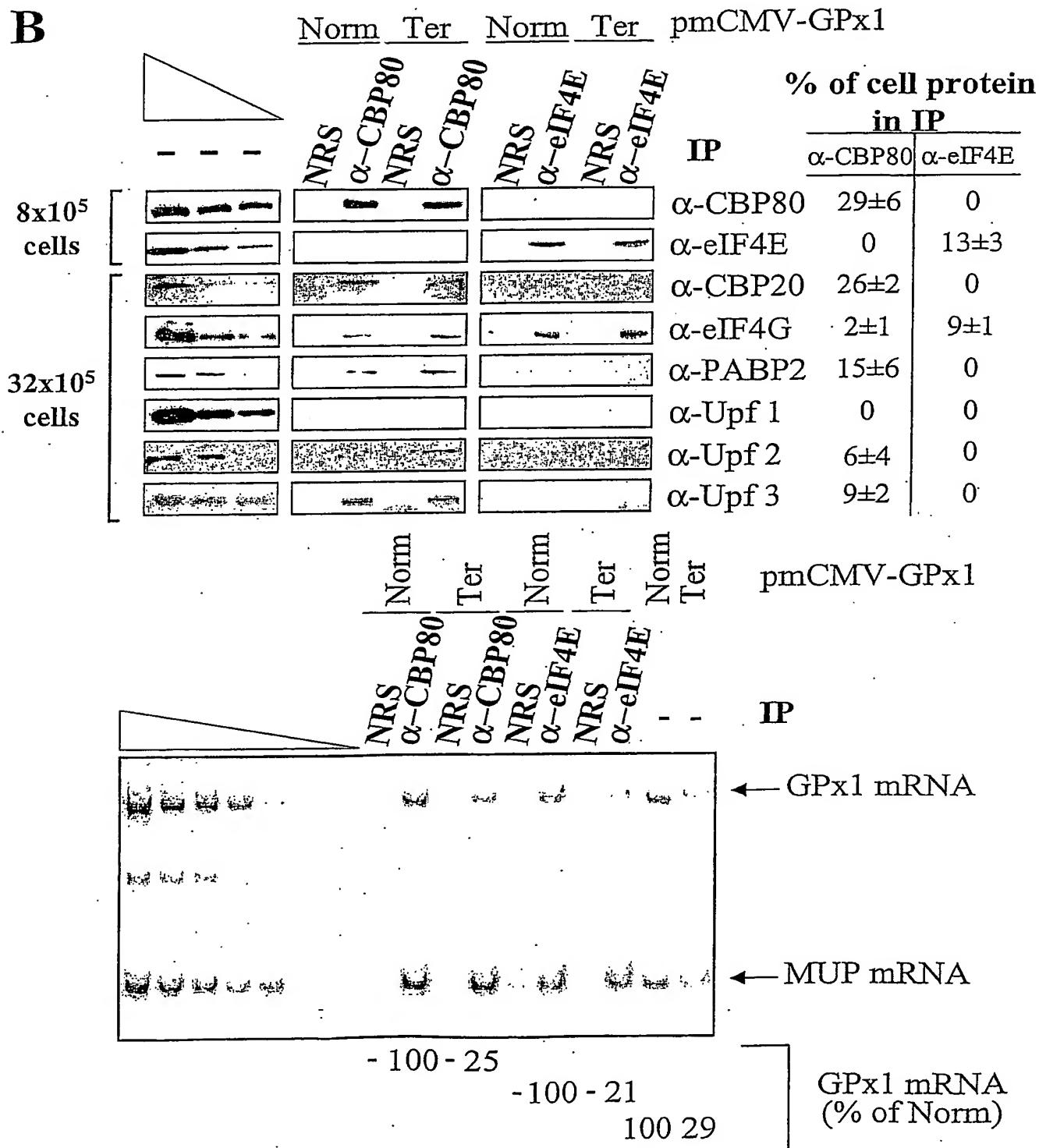


FIG. 3

Awestern blot: α -CBP80**FIG. 4**

B**FIG. 4**

A**B****FIG. 5**

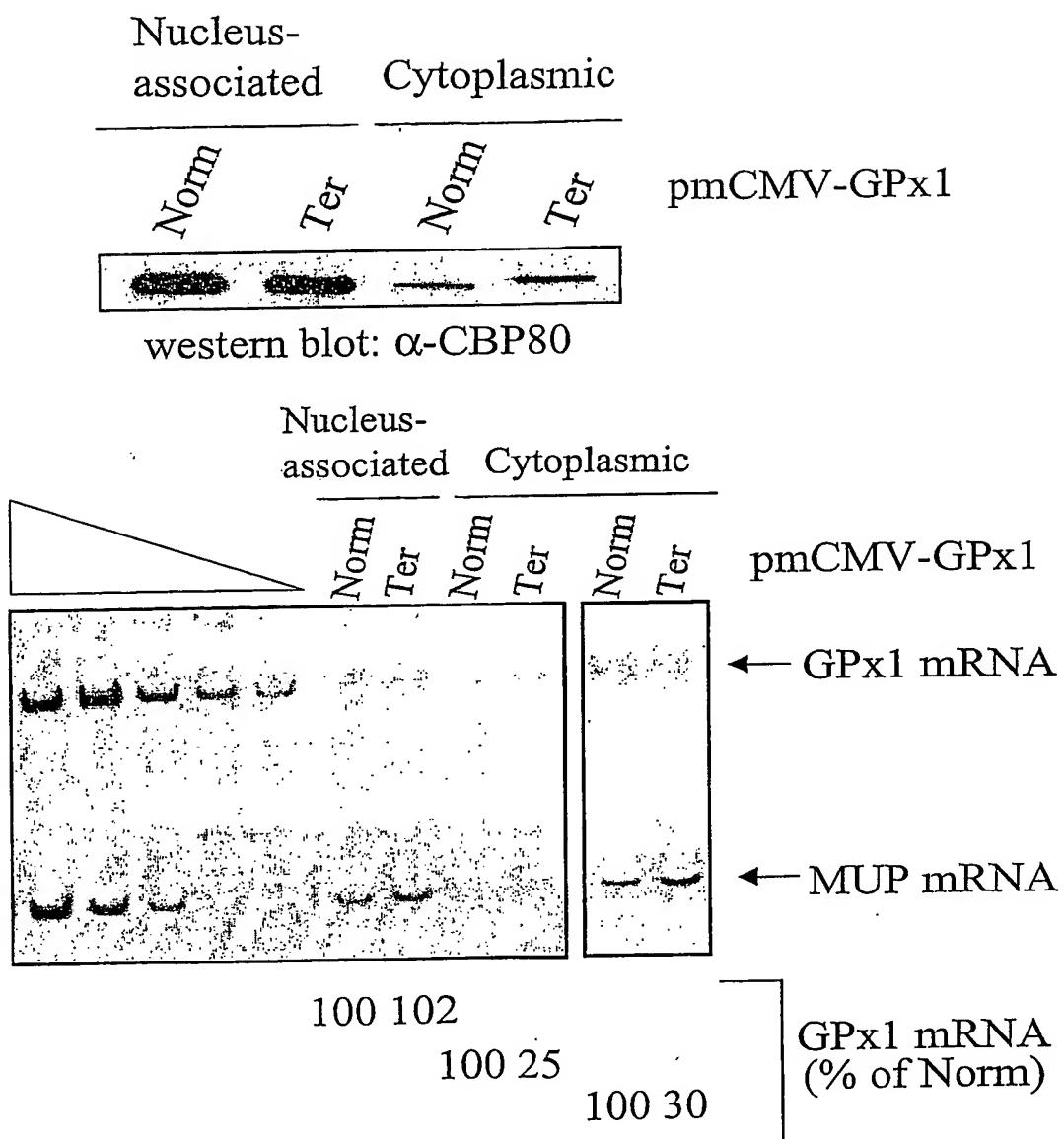


FIG. 6

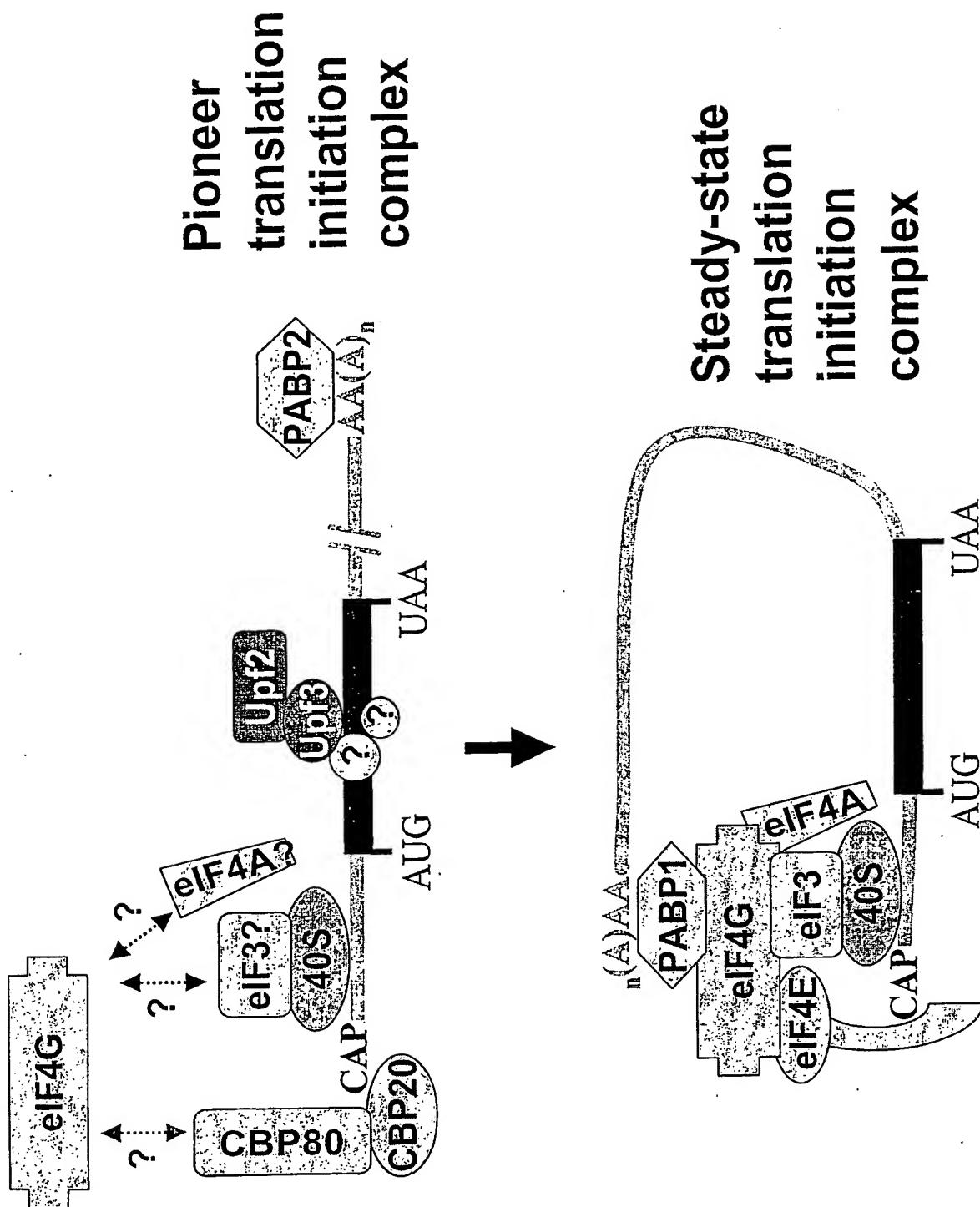
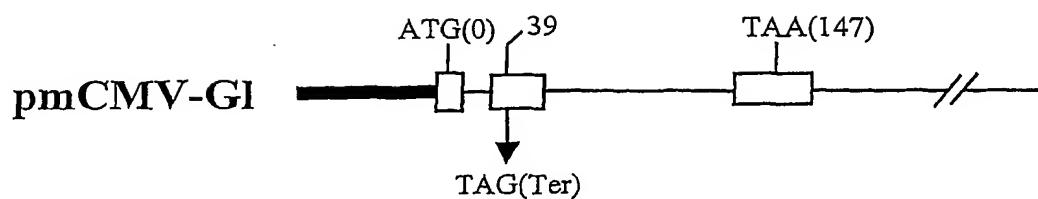
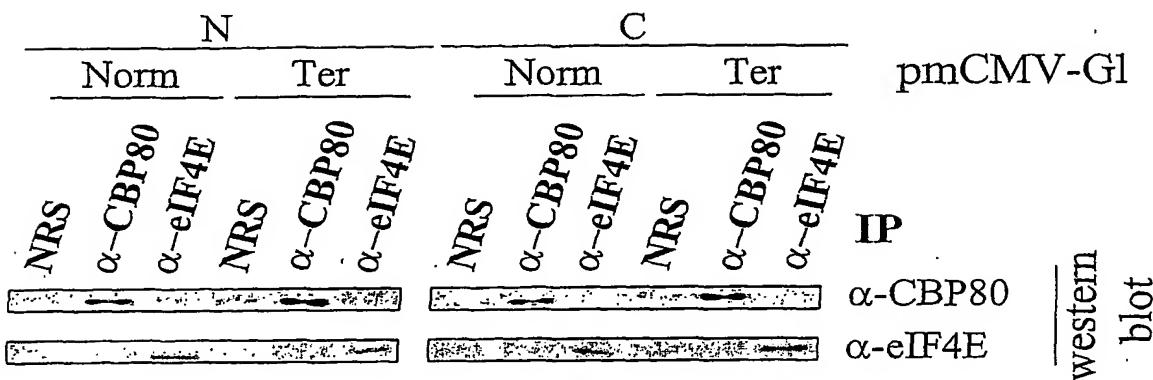
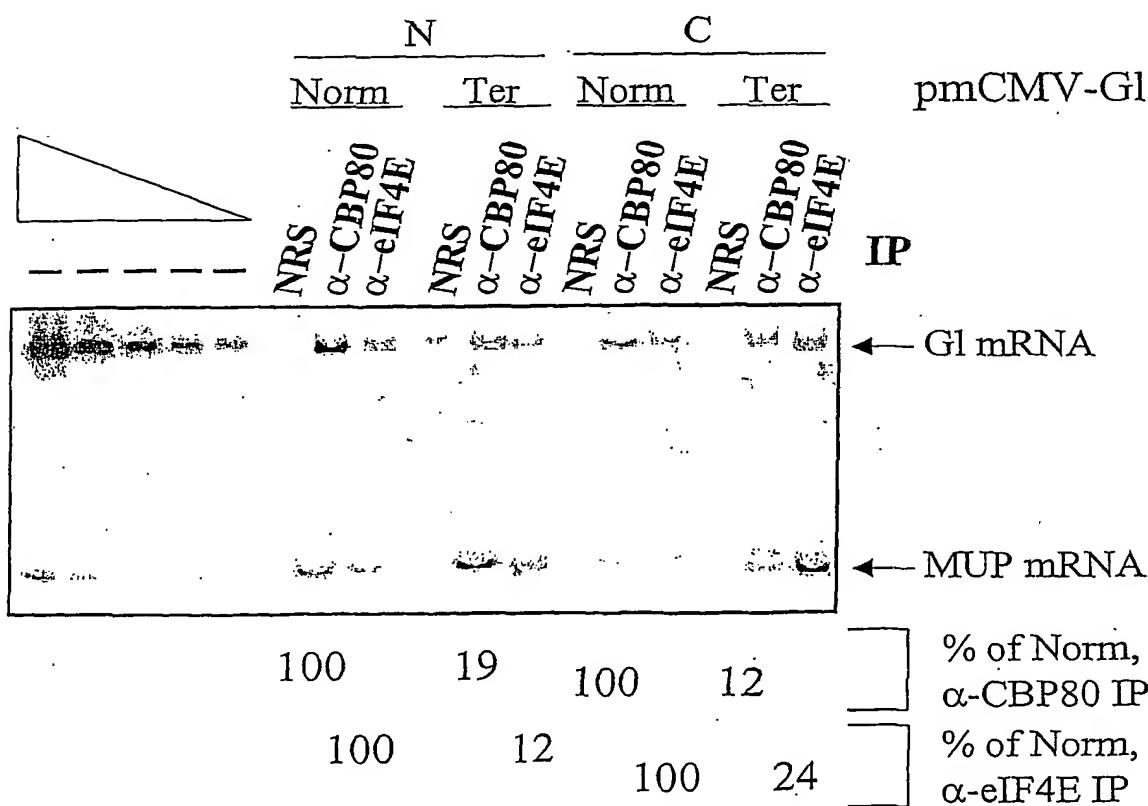
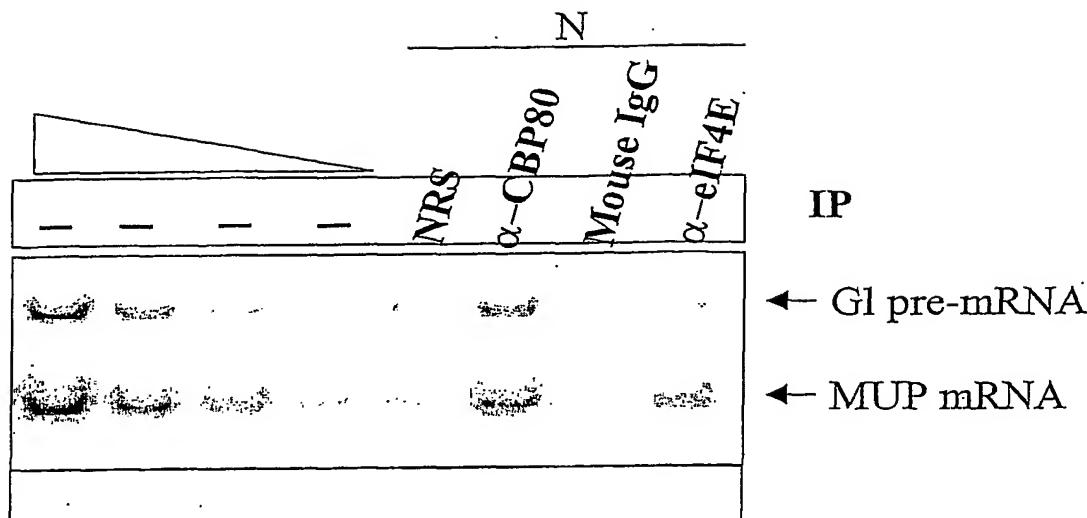
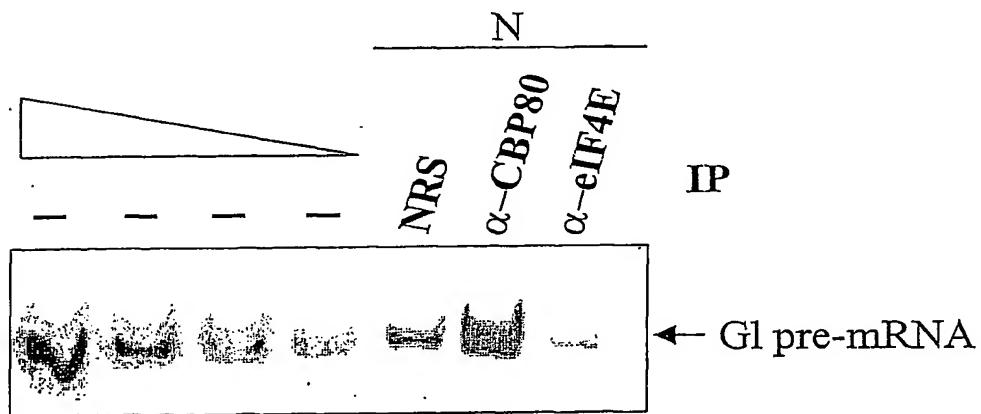
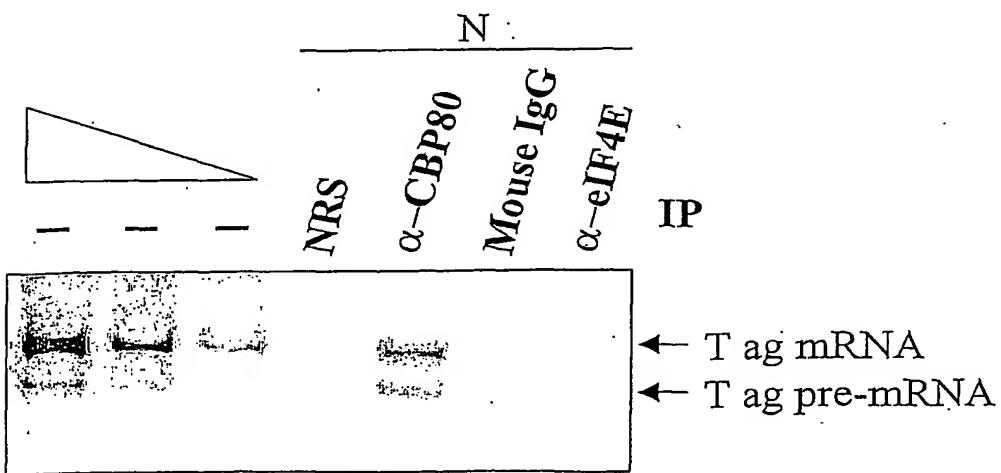


FIG. 7

A**B****C****FIG. 8**

A**B****C****FIG. 9**

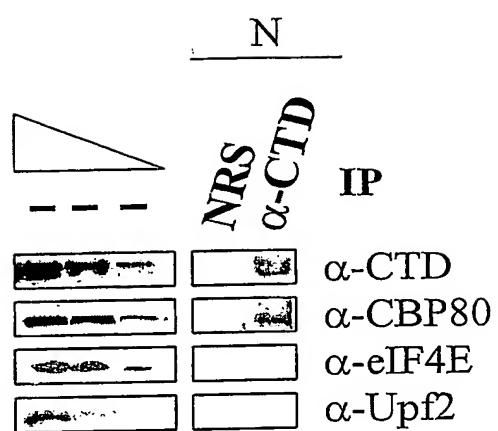


FIG. 10

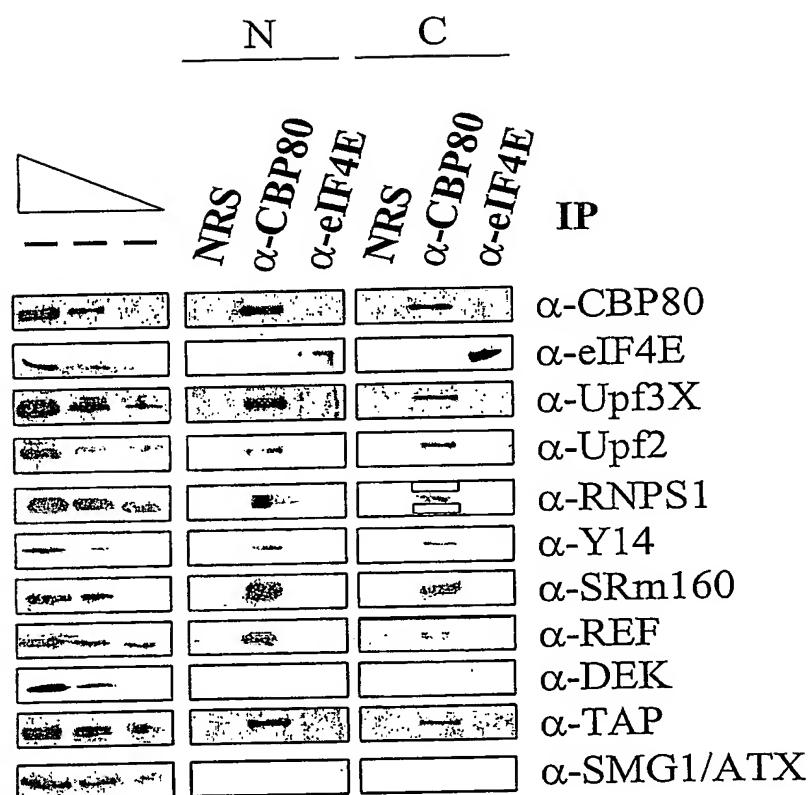


FIG. 11

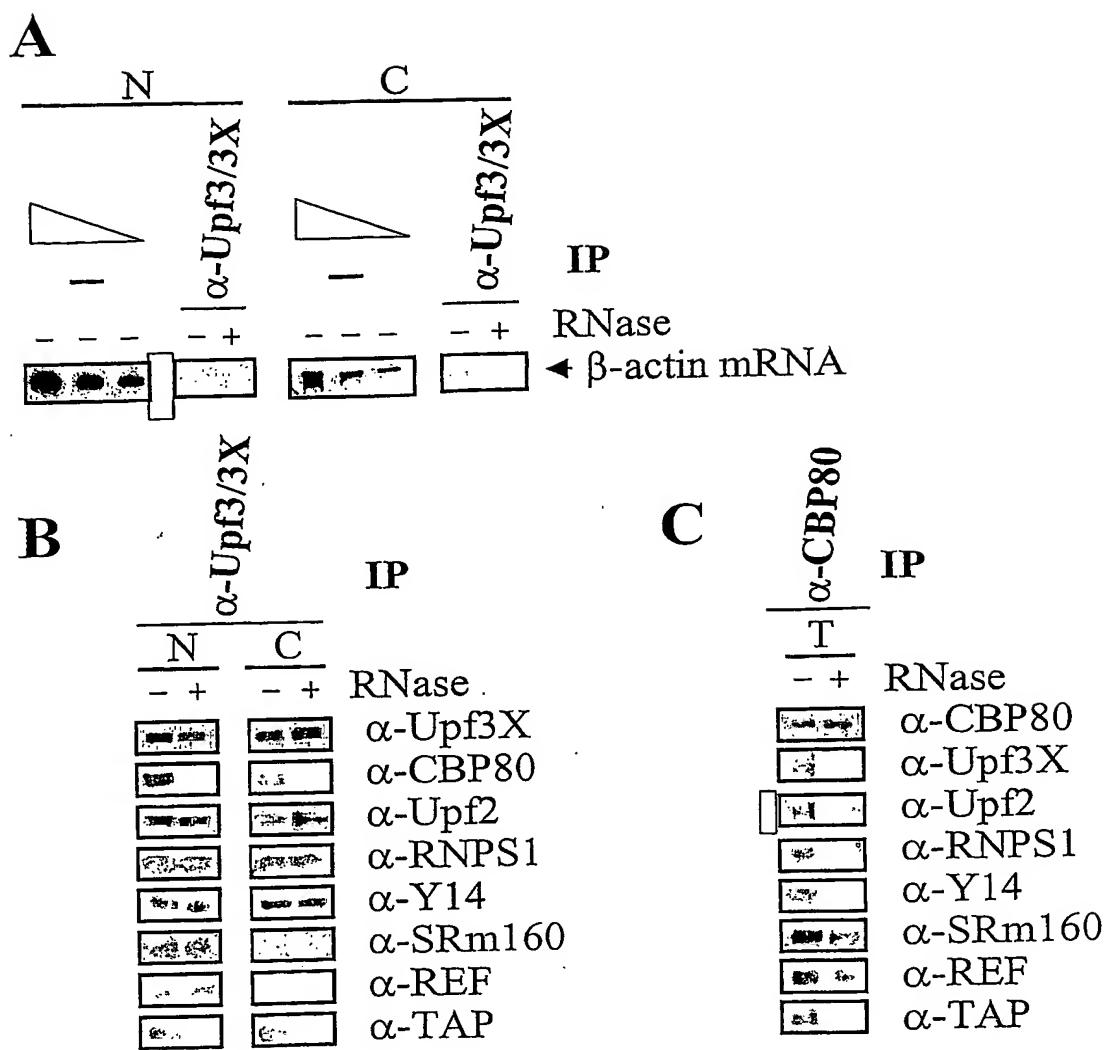


FIG. 12

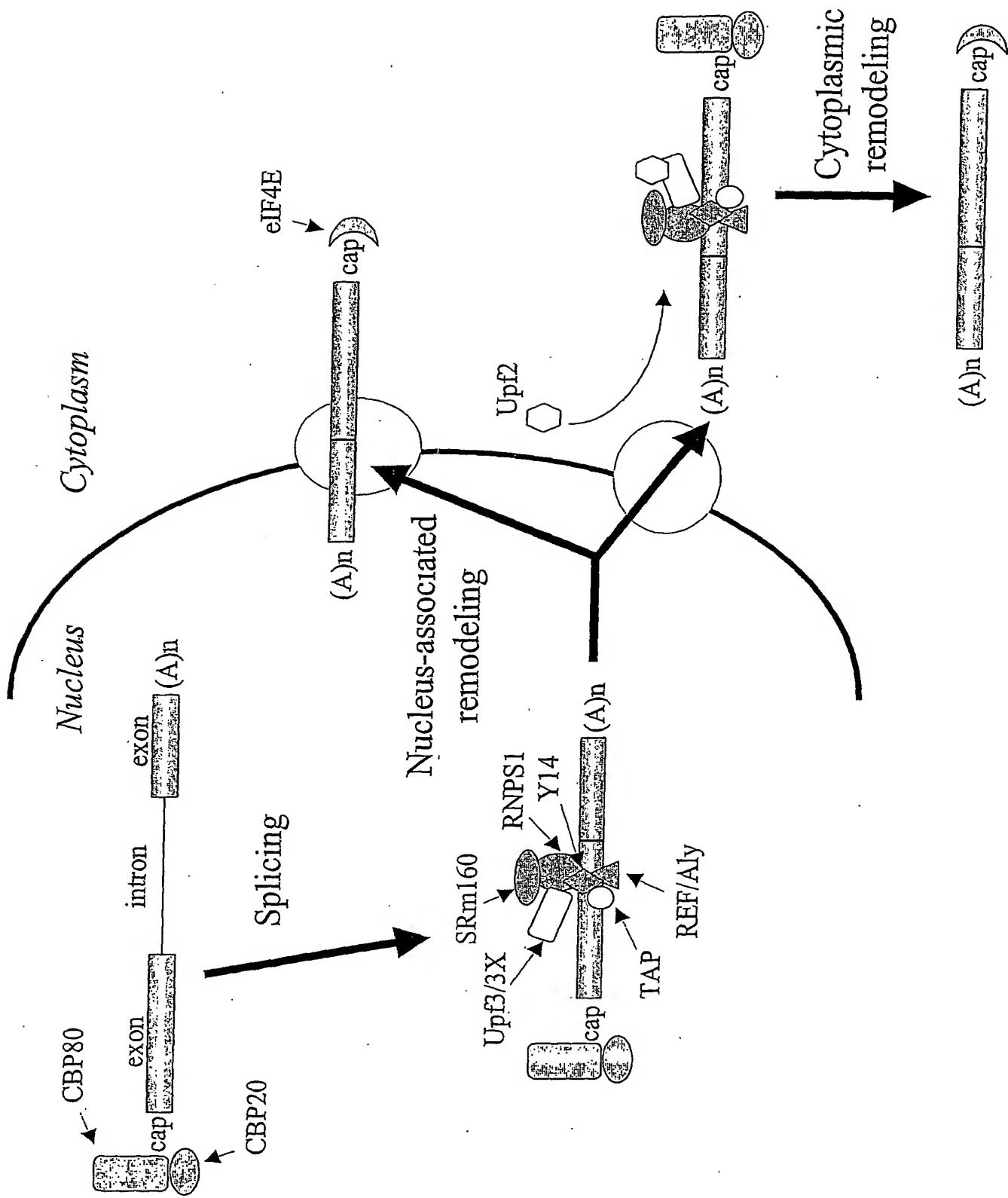


FIG. 13

A

MAEGLERVRISASELRGLATLAPQAGSRENMKELKEPFRKDNRFPDLEIYKPGLSRLRNPKIKEPPGSEEPKDEIVN	80
DRDCSAVENGTQPVKDVCLENNQECNGPDIPENNRQGFSFPRTRAQEDRSRSLKIKTWRKPDLYIQPGRRLTQSKESSA	160
SRRVEEVEVLNQVEQLRVEEDEBCRGNVAKBVEVANKPDRAEIEKSPGGGRVGAKGKBRGMKGGEVRETHDDPARGPGS	240
AKRYSRSDDKRRNRYTRSTSSAGSNNSAEGKLTIDNGRFRQRDTKERPLKKVQSVSSTDSDLEDRIDEPEDGLGPGRS	320
SERKRIHLERNWSGRGEQEKTSAKEYRTGLRVTPTDAEAMKESPMVRSARDDMRGKPDKGLLSSGGKGSEKQESKNPKQE	400
LRRGRGRLILLLPAHTTLVSNSAGSPESAPLGPRLFGSGSKSGSRWSGRGCTRLWDPTNPDQKPALKTQZPQLFLDLD	480
DEVSPSTWGDSRQAQASYYKFQNDSNDPYYPTPTPQASQYPTGNYLPQVPGTNGVYFBGPQYGPSPQGVYCSPLP	560
TSTMSPEEVQHQMRLNQQLCERHLLRVAQNQDQNLQQLRDRISPEGLEKMAQLRAEELLQLYERCILLDIEFSNDQNVD	640
QILWKNAFYQVIEKFRQLVQDPVNENPEQIQRNRLLELLDECGSDFFDSLQLQLOVTPYKPFMLDGLARSKPRLKTVKY	720
ALISQAQRCMICQGDILARYREQASDTANYGKARSWYLKAQHIAPKNGRPYNQALLAVYTRKLDAVYYMRSLAASNPL	800
TAKESLMSLFESTKRAKEQEMKKHQEEFDLSPDQWRKGKSTFRHVGGDTTRLEIWIFHSHPRSSQGTESGKDSCEENG	880
GSLSPSDLNKRPIFLSHAHGKLFTRIGMETPPAVAKVLFQVLLQHSPSPIGSTRMLQMLTMNMFVAI NSQLKDCEPS	960
ECCRVSQIYEQQAAALGLAMFLSLLVRKESAKAQLSPEDDQDQQDIDKUVSPVPDLKELLSPSKVWSDWMLGYPDWT	1040
NPPPTSDLPLSPHVAWDWSTLADFCNCILTAVNQSEWEVLYKPDQDDLLTLLLEDEDRLLSGVFWPLLAQPDCEYKEKTSKDV	1120
IAADCKRVTVLKYFLEALCGQEPIPILAFKGKGVSVAVPVDTMGKEMGSQEGTRLEDEEDVVIEDFESEAEGSGGED	1200
DIRELRAKKLALARLAKTAEQQQRKCIQAVILEDHSQMRMELIRPLFLVBDPTNGFIDHLSLASLLESRSKYILVVLIVI	1280
NELDGGKLGKQETDHRAGGYAVVUOEKARKSDFRERFBSRSRDLTSDRSCRLALTSGRNBLIESIAPSEDITGOLGNNDLILSCC	1360
HYCCKDKAKDMPBASKEEPRTLREVVLLTDDRNRLVKALJRNVPVRDIAPFLTWQVC	1419

B

FIG. 14

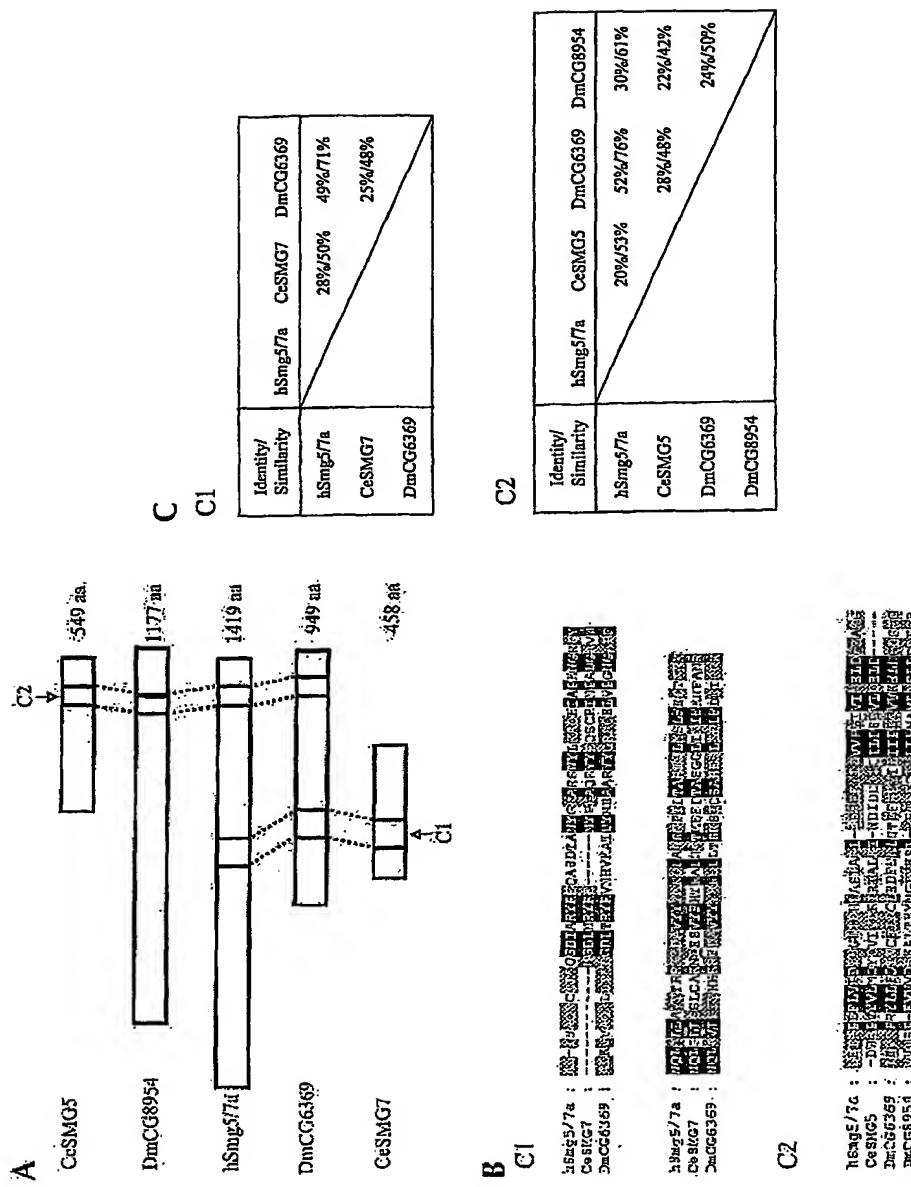
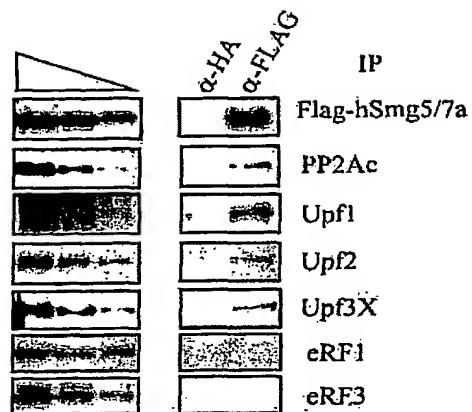
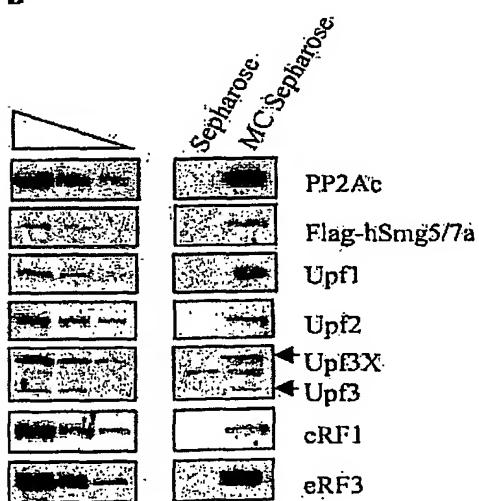
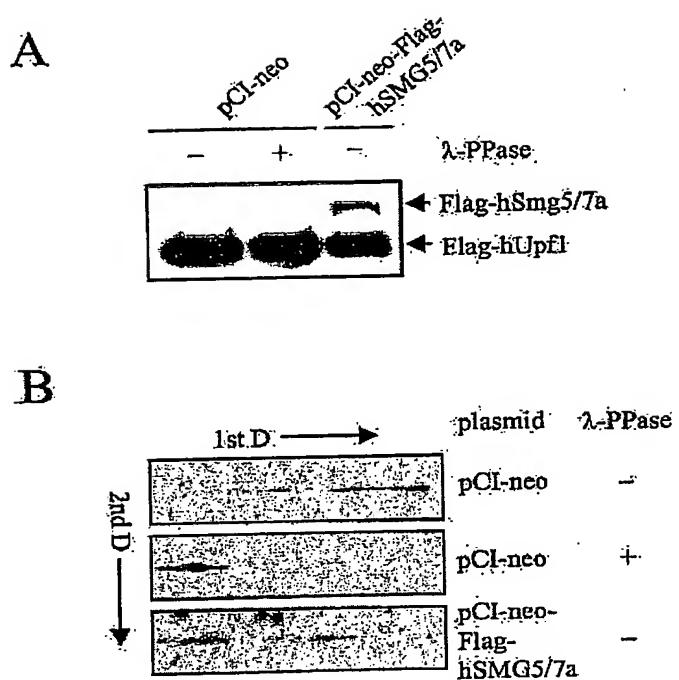


FIG. 15

A**B****FIG. 16**

**FIG. 17**

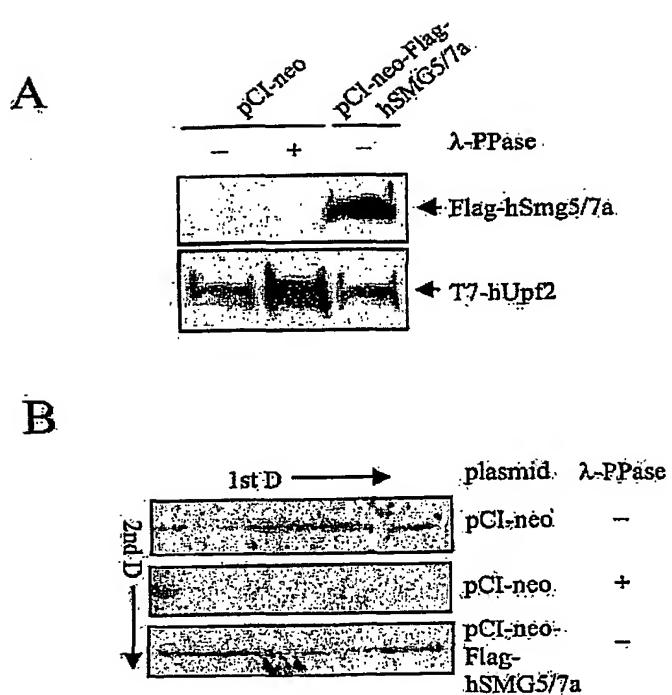


FIG. 18

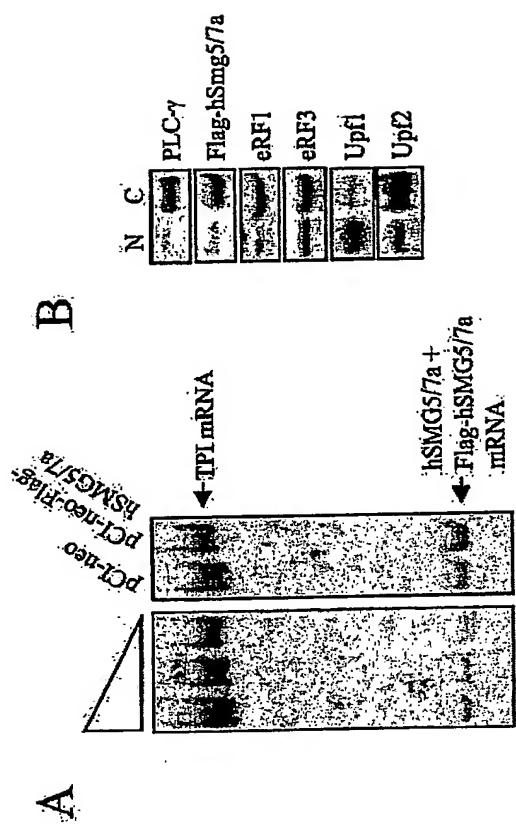
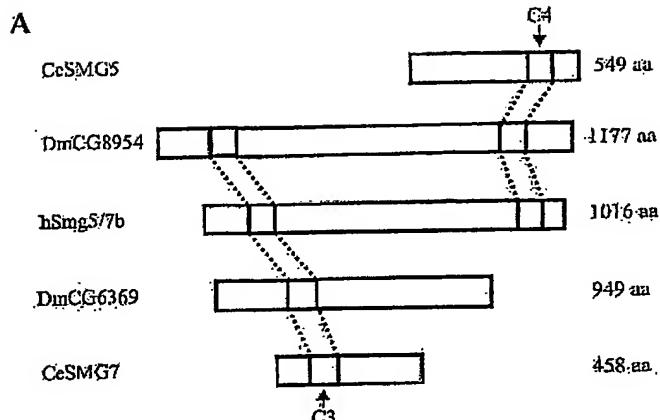


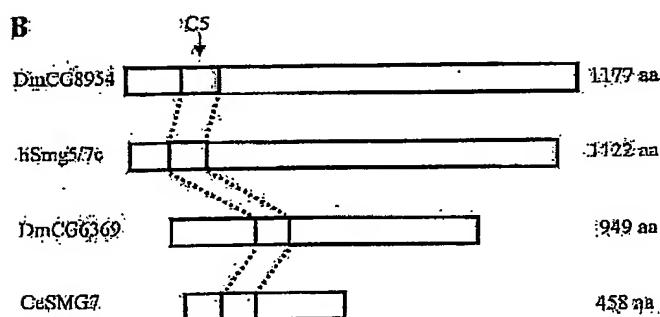
FIG. 19



03

-64-

1895/5/26
CEASERS
2m CGB 54



C5

bmsg576: LIBRARY - RHE - RSYRERQAE UPGNG YXGCHN
C6SLG7: LIBRARY - RHE - RHYPHQDYY LSCPNDKNEVHIG
DMCG6369: LIBRARY - RHE - RYVCAZKMNQWVQH VPKL
DMCG954: LIBRARY - RHE - FLDPNKRSLSRSQVRYLX PXPRAISLQNGT

```

hsmp5/7c : DAEKSKJDHEITGCGCCTCATAVDTCRQVATYR
CeTRG7 : DSE-GAEEGCB-AGTTPADLHATREREPISIGGI
DmCGG3.69 : TSEYSHURK-HA-TCG-TCG-TCG-TCG-KP-TCG-TCG
EcCGS95-4 : EHYCONHNKEDLWVSYK-NVCLIZDREKESL

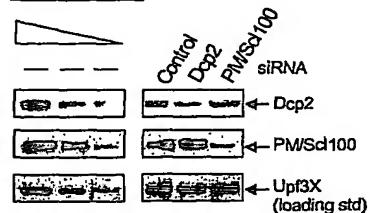
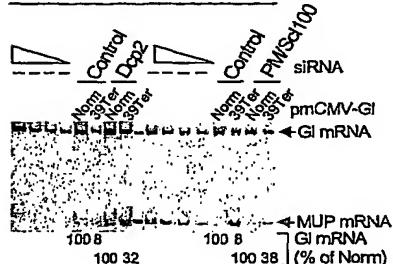
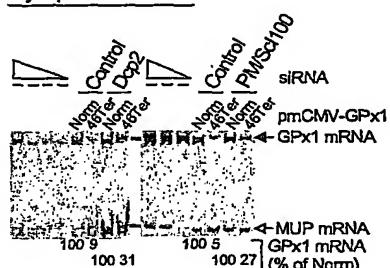
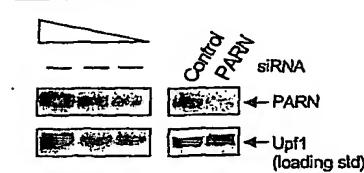
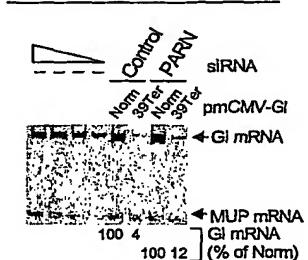
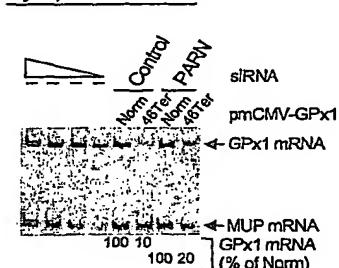
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hSmg5/7b		28%/54%	35%/59%	31%/54%
CeSMG7			28%/50%	29%/59%
DmCG8954				28%/50%
DmCG6369				

C4			
Identity/ Similarity	hSmg5/7b	CeSMG5	DmCG8954
hSmg5/7b		27%/46%	37%/62%
CeSMG5			31%/51%
DmCG8954			

Identity/ Similarity	hSmg5/7c	CeSMG7	DmCG6369	DmCG8954
hSmg5/7c		27%/57%	35%/52%	30%/43%
CeSMG7			30%/53%	28%/46%
DmCG6369				30%/56%
DmCG8954				

FIG. 20

A. Down-regulation of Dcp2 or PM/Scl100Western blotNucleus-associated NMDCytoplasmic NMD**B. Down-regulation of PARN**Western blotNucleus-associated NMDCytoplasmic NMD**FIG. 21**

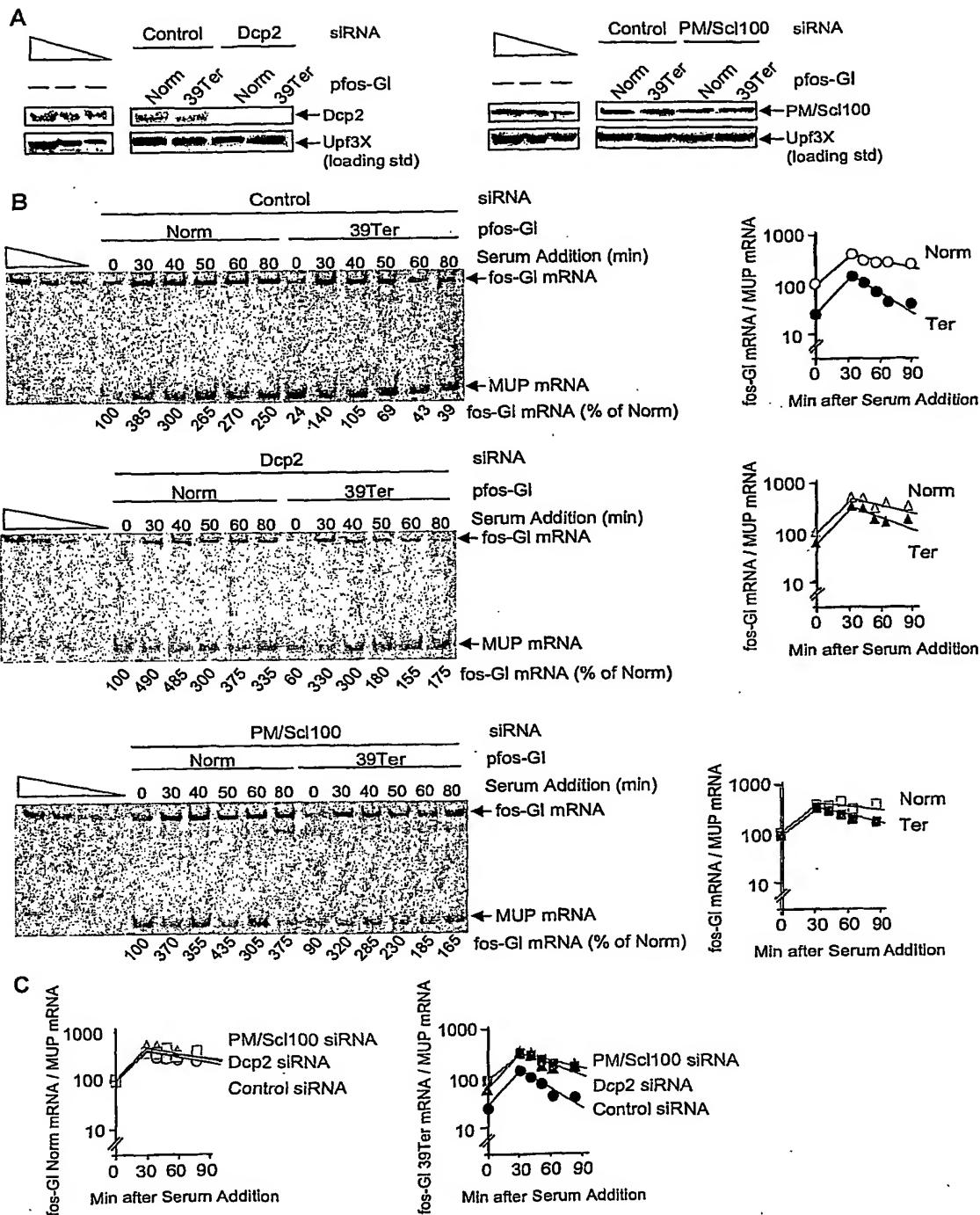


FIG. 22

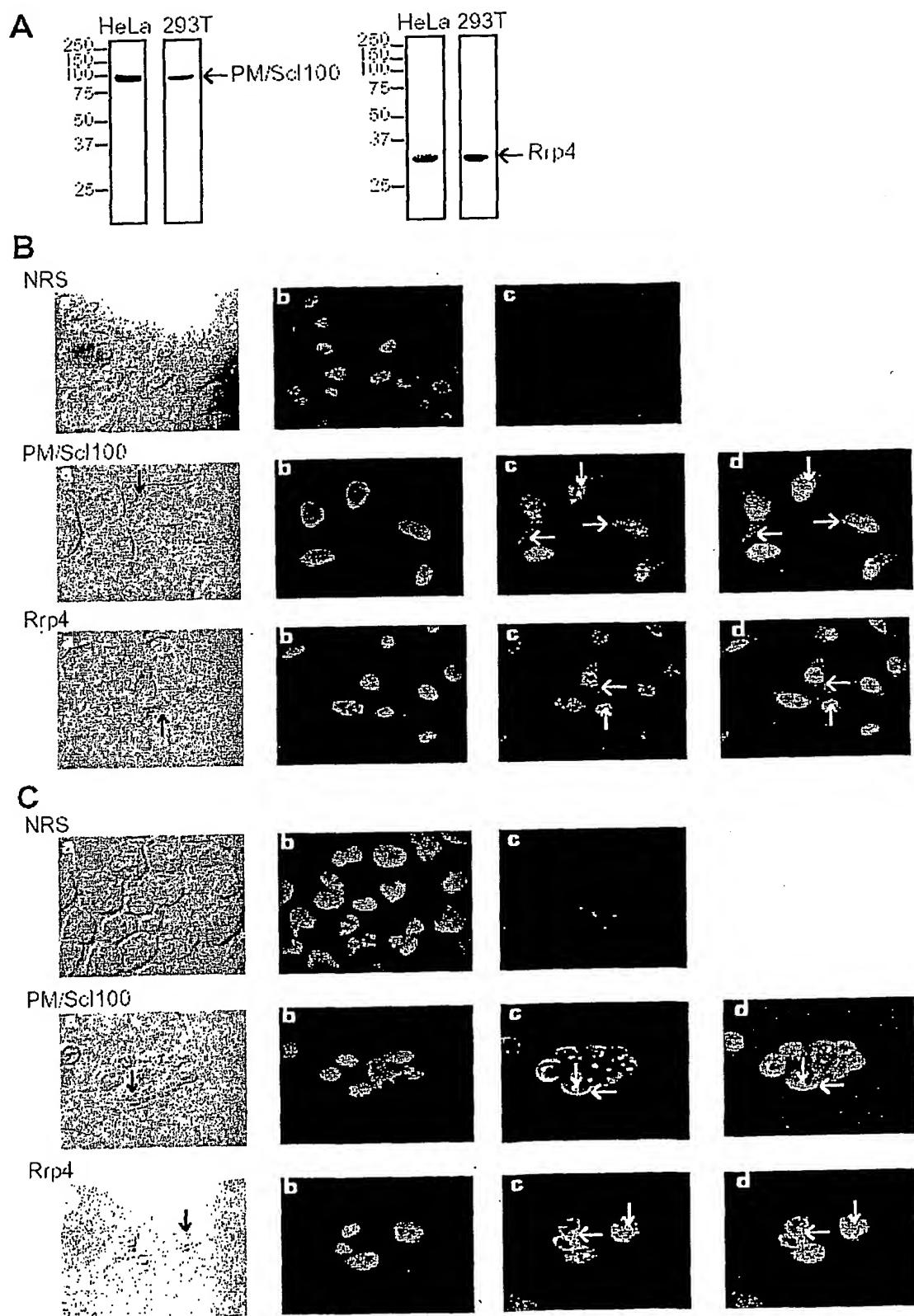


FIG. 23

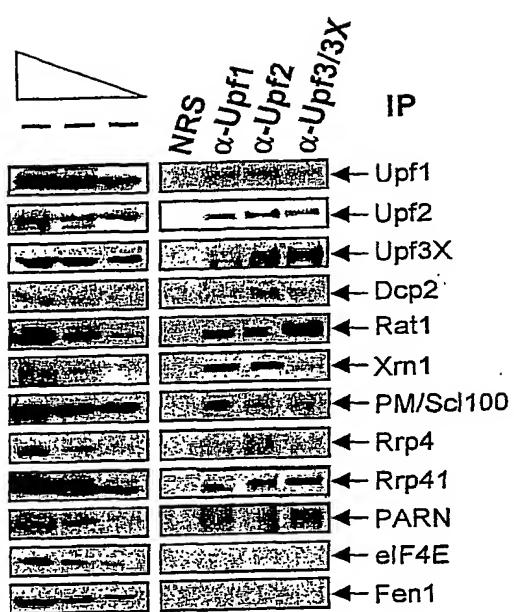
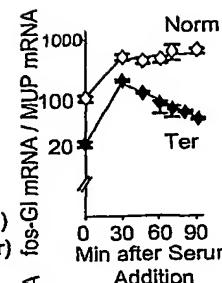
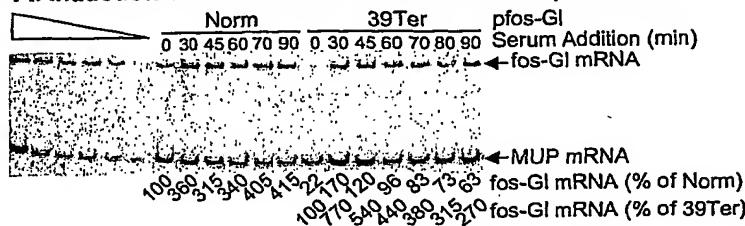
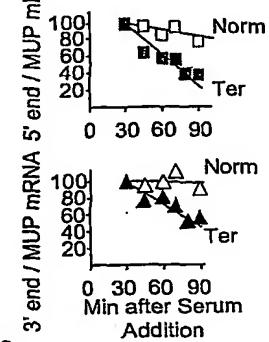
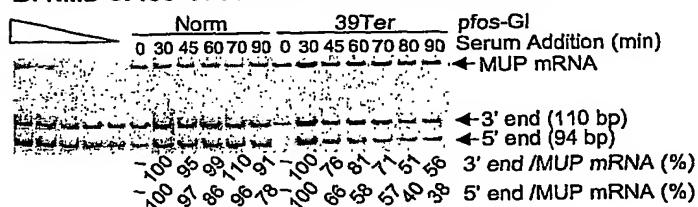
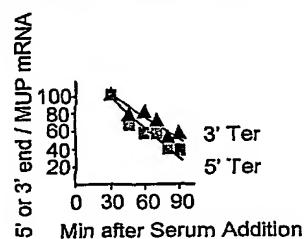
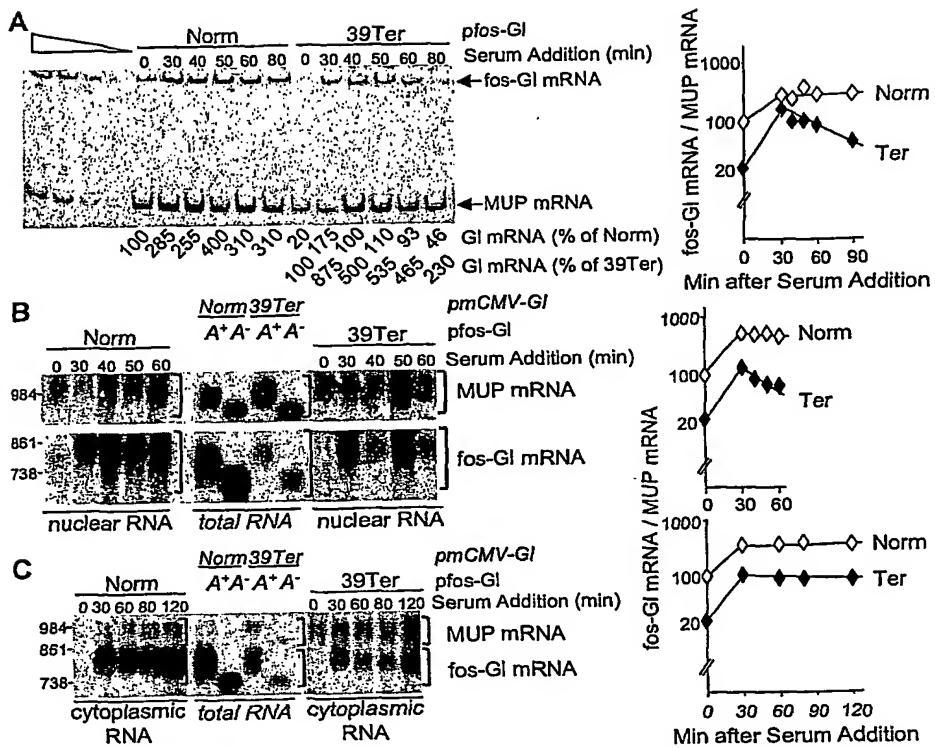
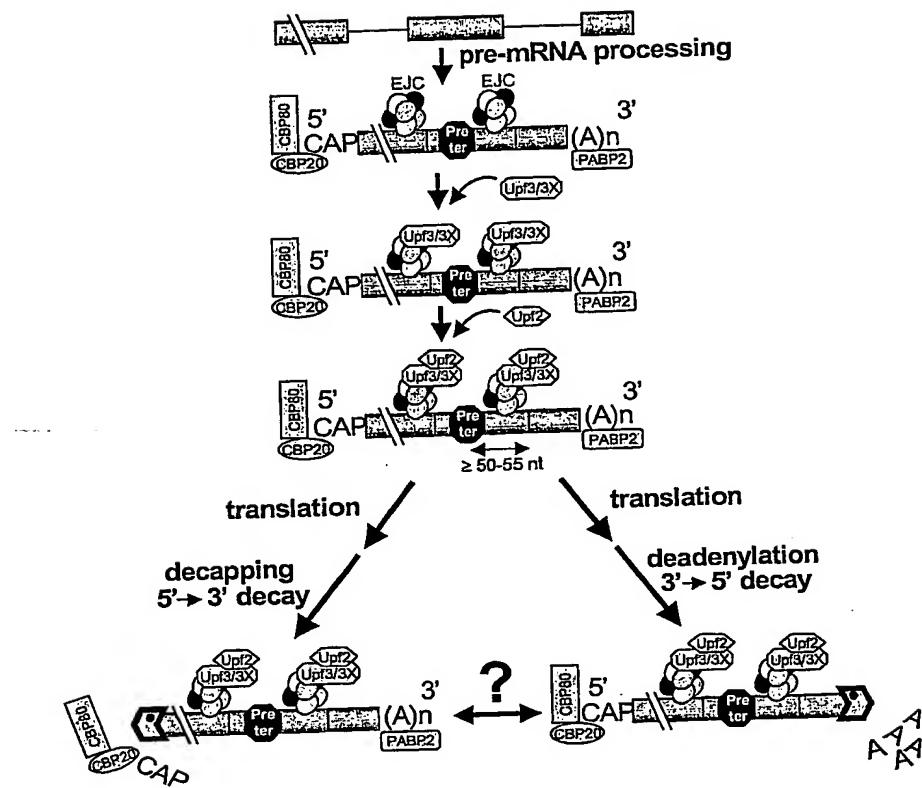
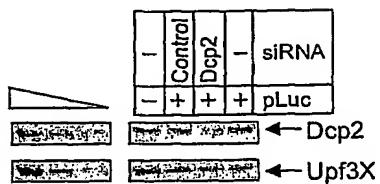
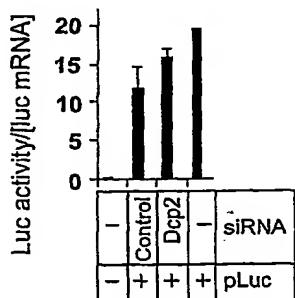
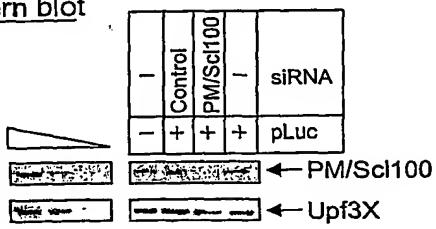
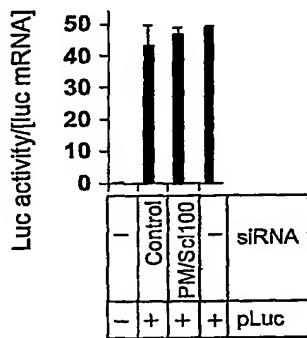


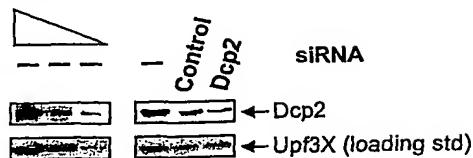
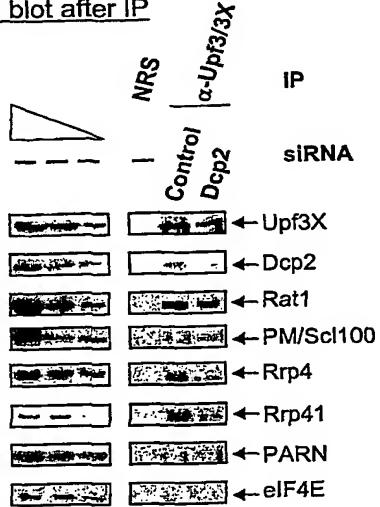
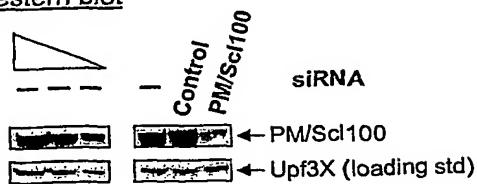
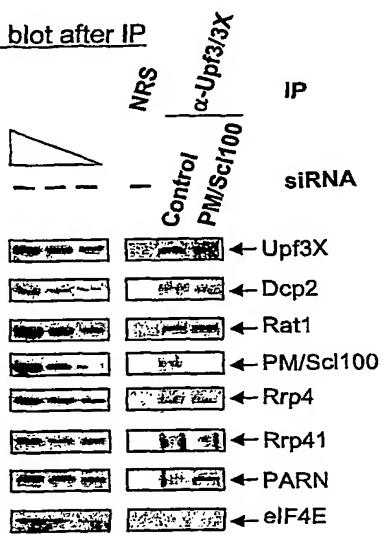
FIG. 24

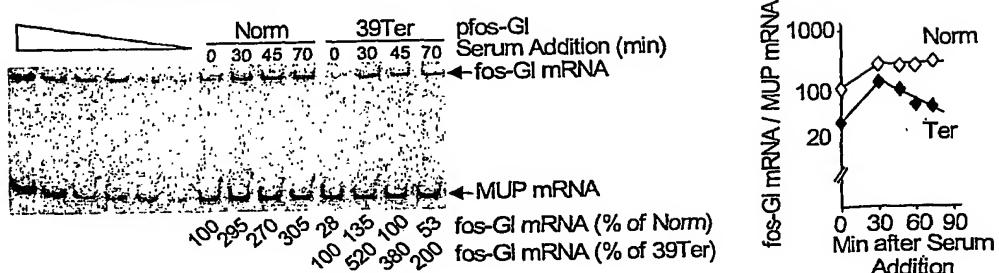
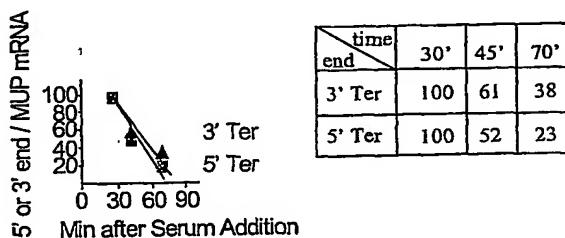
A. Induction of fos-GI Norm or 39Ter mRNA production**B. NMD of fos-GI 39Ter mRNA 5' and 3' ends****C. NMD of fos-GI 39Ter mRNA: comparison of 5' and 3' ends****FIG. 25**

**FIG. 26**

**FIG. 27**

A. Down-regulation of Dcp2Western blotLuciferase assay**B. Down-regulation of PM/Scl100**Western blotLuciferase assay**FIG. 28**

A. Down-regulation of Dcp2Western blotWestern blot after IP**B. Down-regulation of PM/Scl100**Western blotWestern blot after IP**FIG. 29**

A. Serum induction of pfos-GI mRNA**B. Comparison of fos-GI 39Ter mRNA 5' and 3' ends****FIG. 30**

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